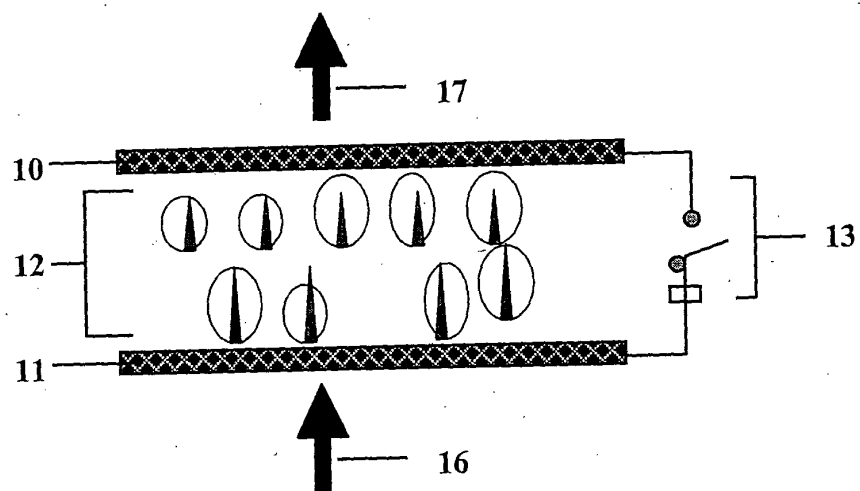


Off State  
Scatters Light, White

FIG. 1a



On State  
Transparent, Clear

FIG. 1b

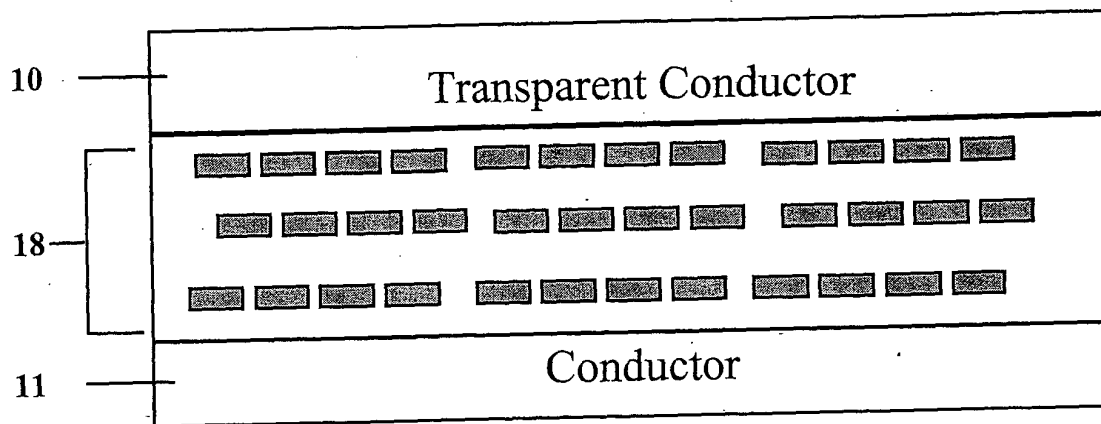


FIG. 1c

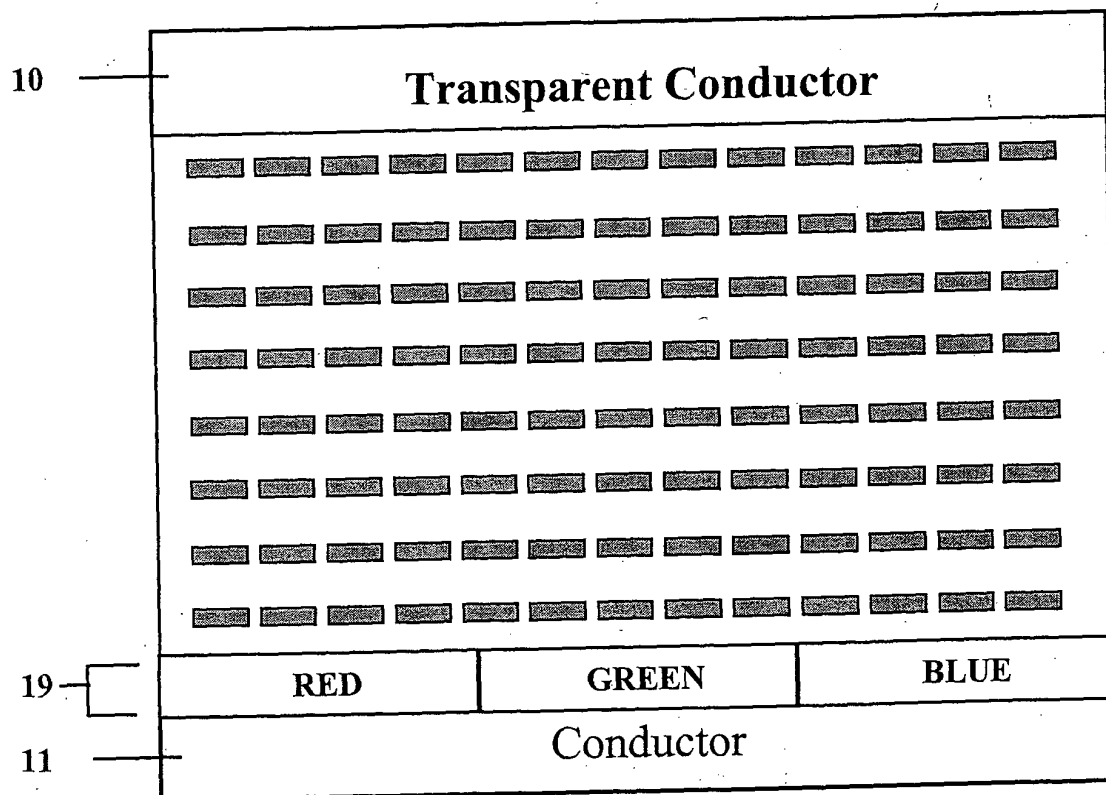


FIG. 1d

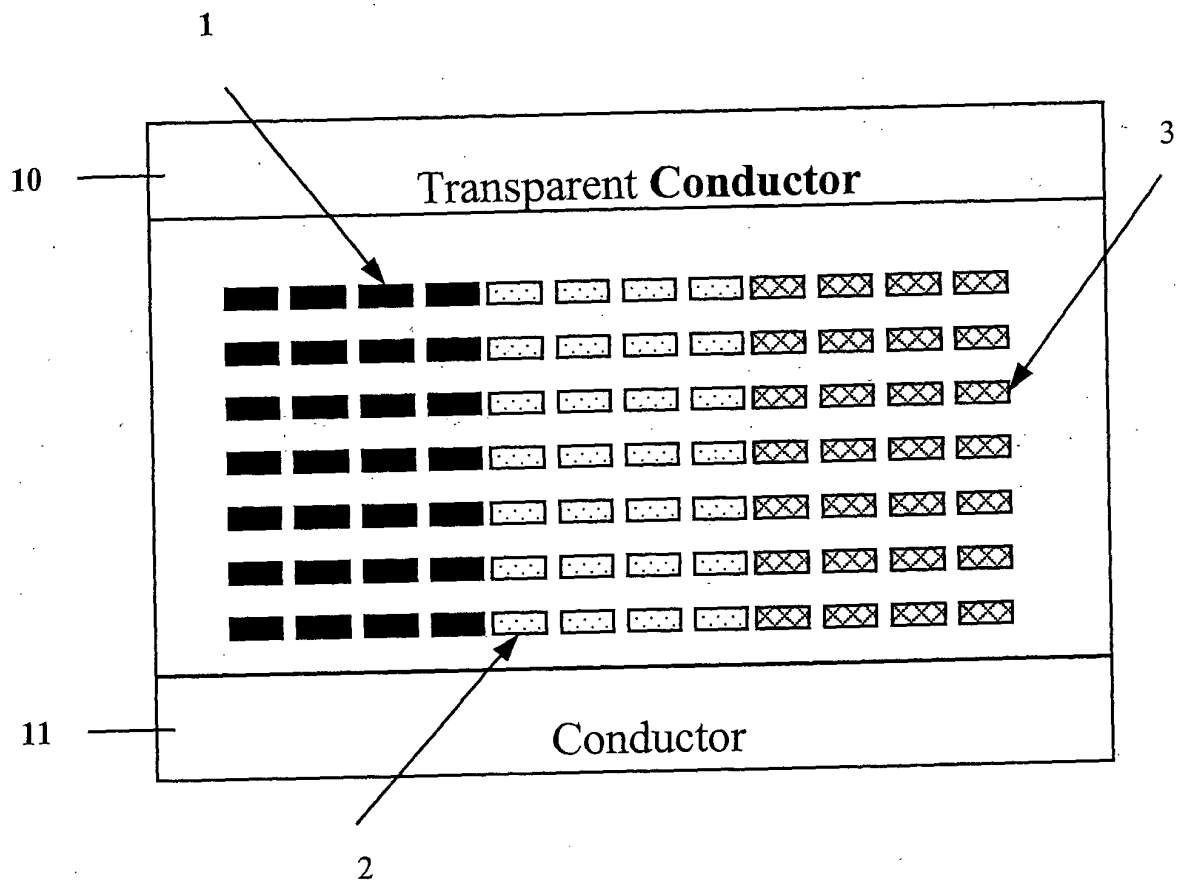


FIG. 1e

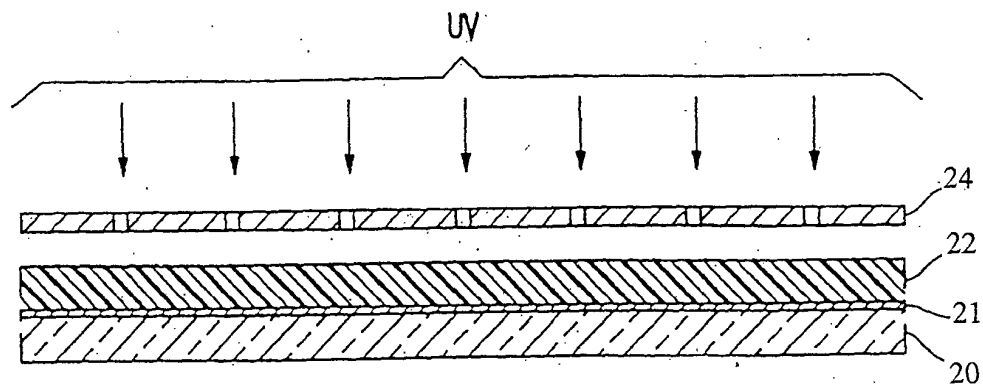


FIG. 2a

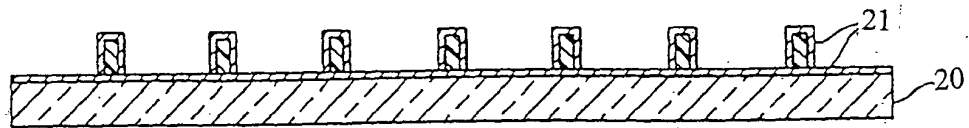


FIG. 2b

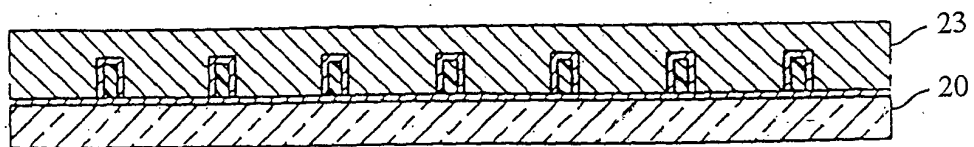


FIG. 2c

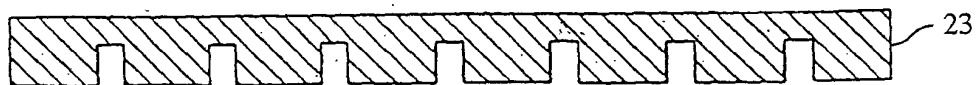


FIG. 2d

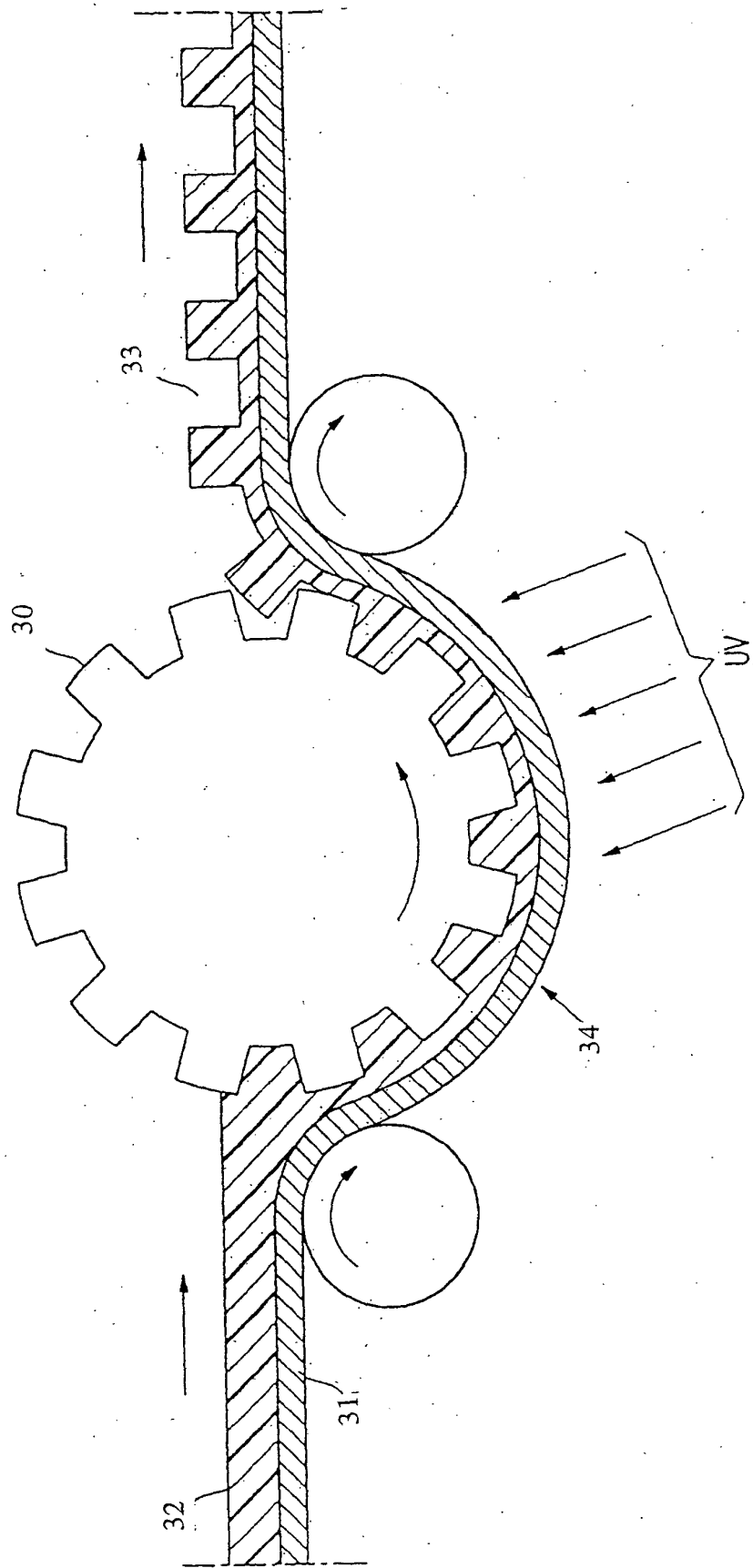


FIG. 3a

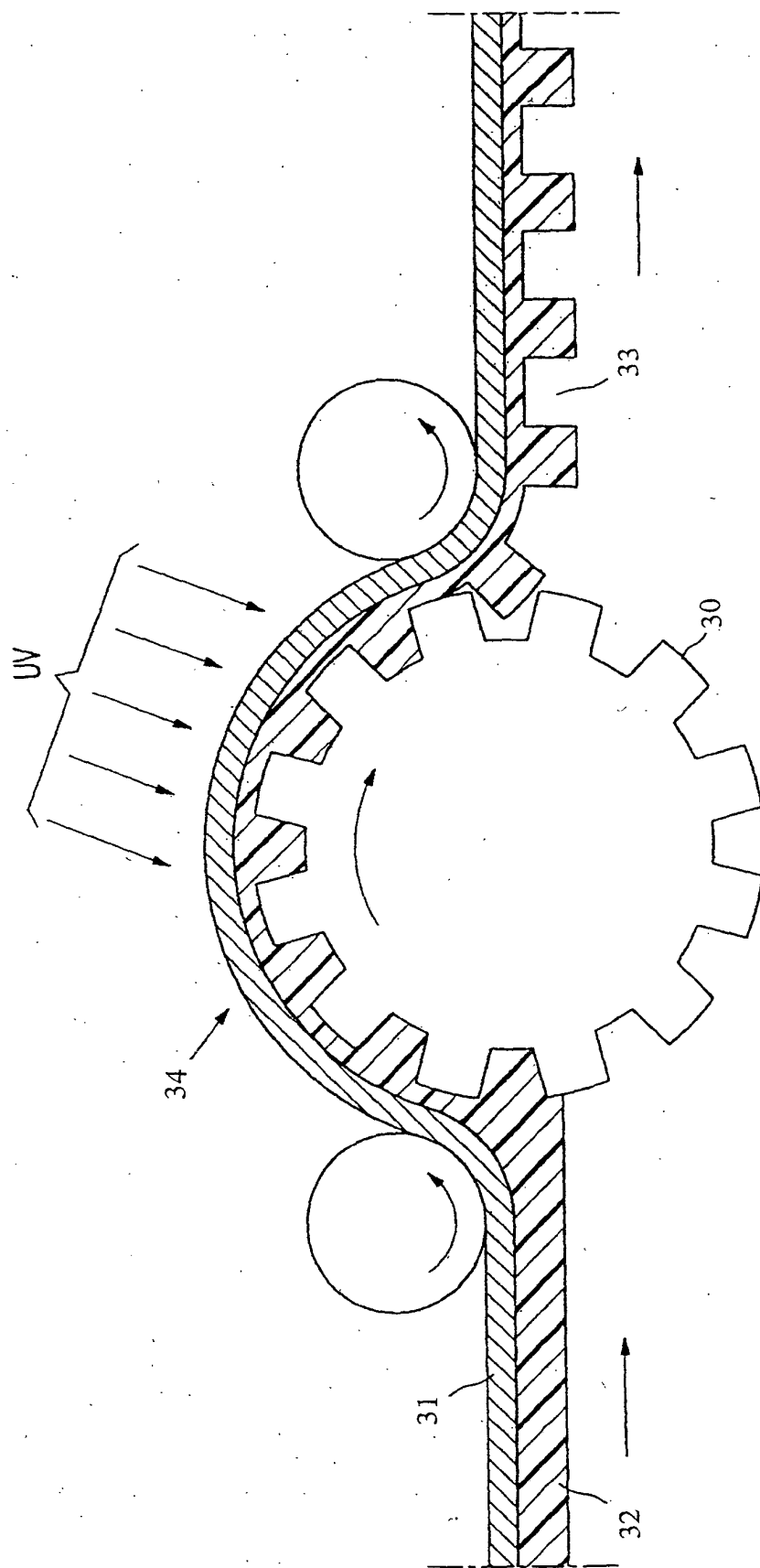


FIG. 3b

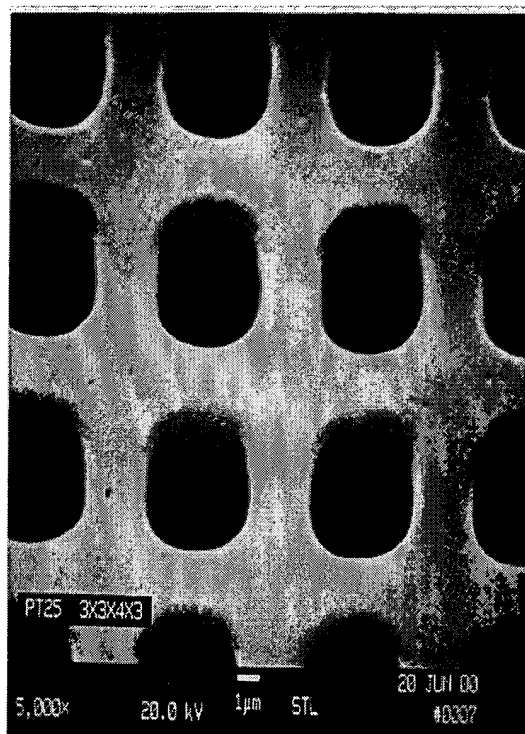


FIG. 4a

SEM Micrograph of Microcups  
4.3 x 4.3 x 4.4 x 2.4  $\mu$  m (5000x)  
(L x W x D x Wall)  
Opening Area 41%



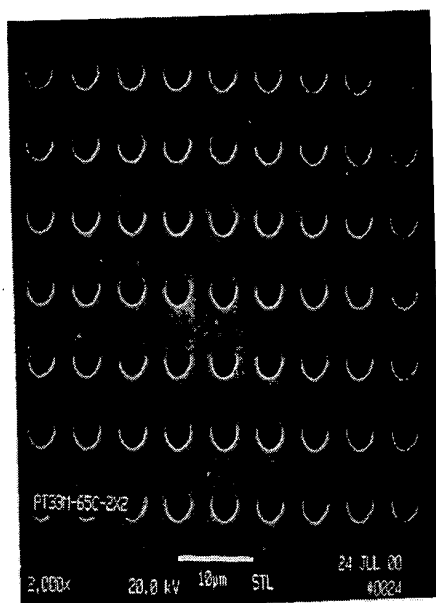
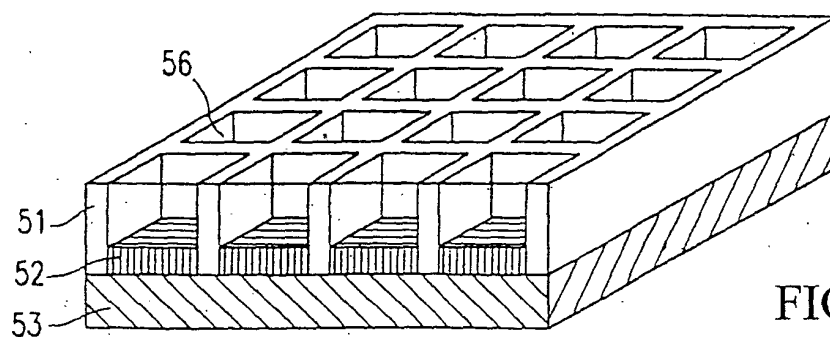
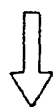
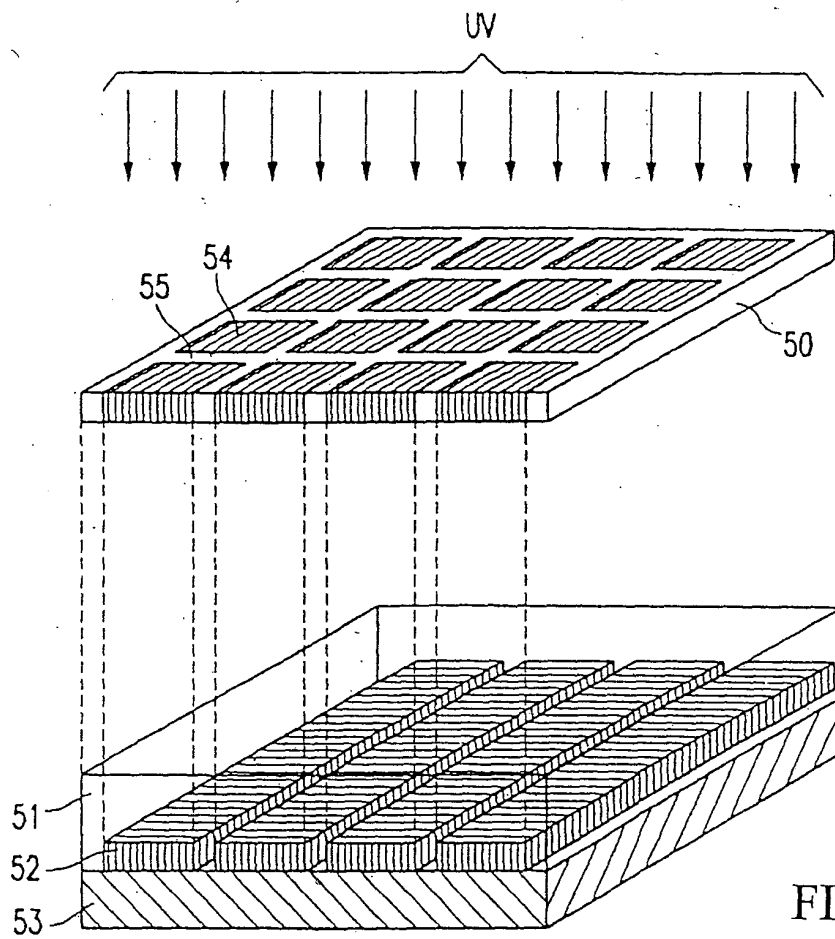


FIG. 4b

SEM Micrograph of Microcups  
3.5 x 3.5 x 3.5 x 2.5  $\mu$  m (2000x)  
(L x W x D x Wall)  
Opening Area 34%



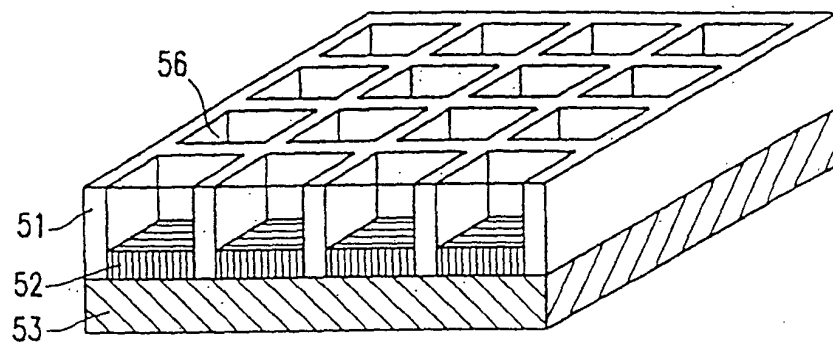


FIG. 5b2

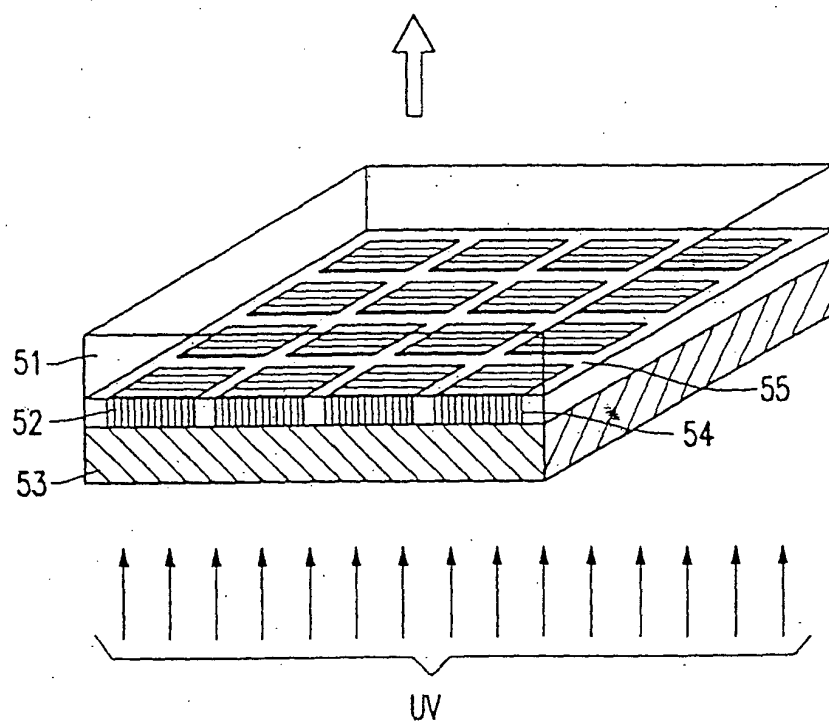


FIG. 5b1

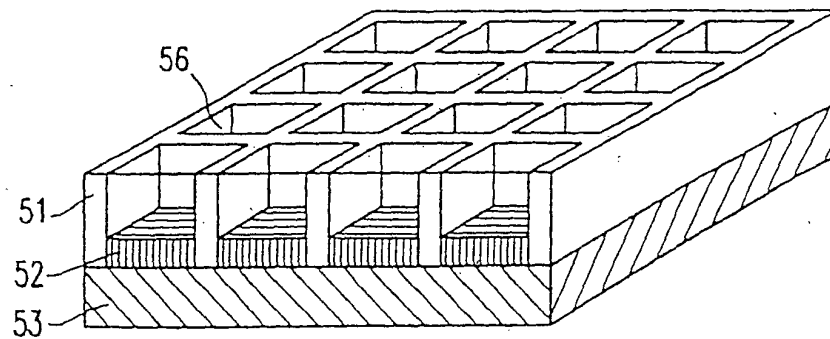


FIG. 5c2

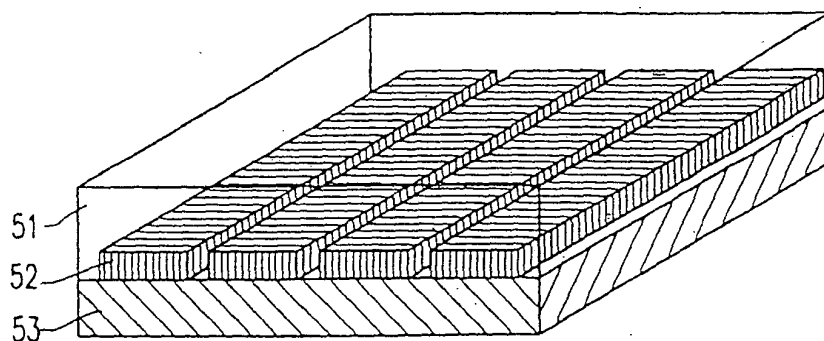
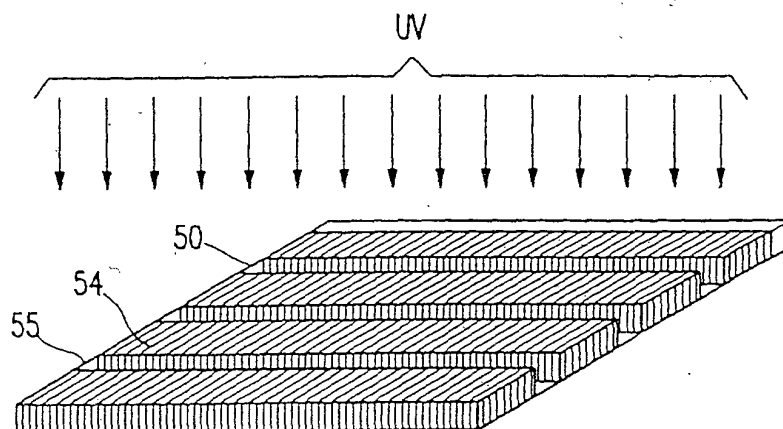
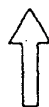
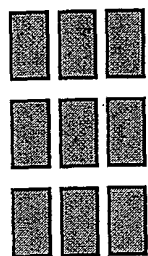
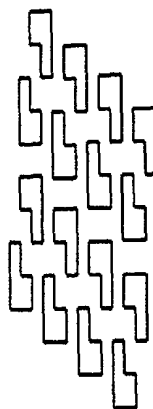


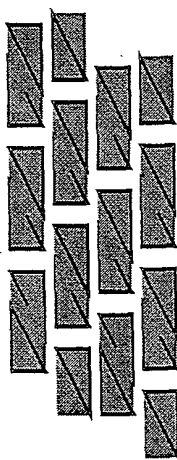
FIG. 5c1



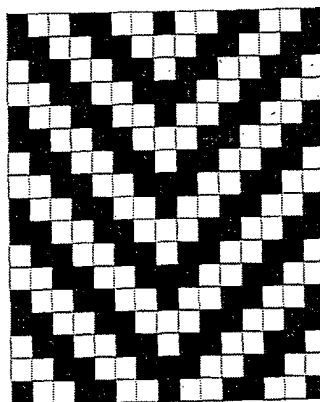
**FIG. 6a**



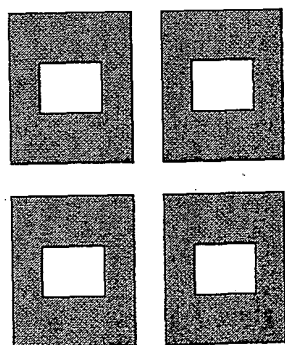
**FIG. 6b**



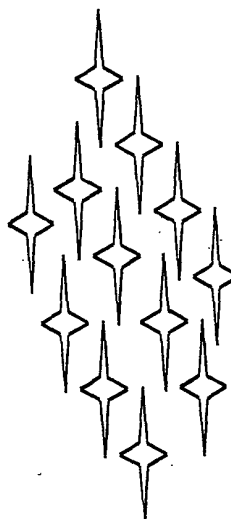
**FIG. 6c**



**FIG. 6d**



**FIG. 6e**



**FIG. 6f**

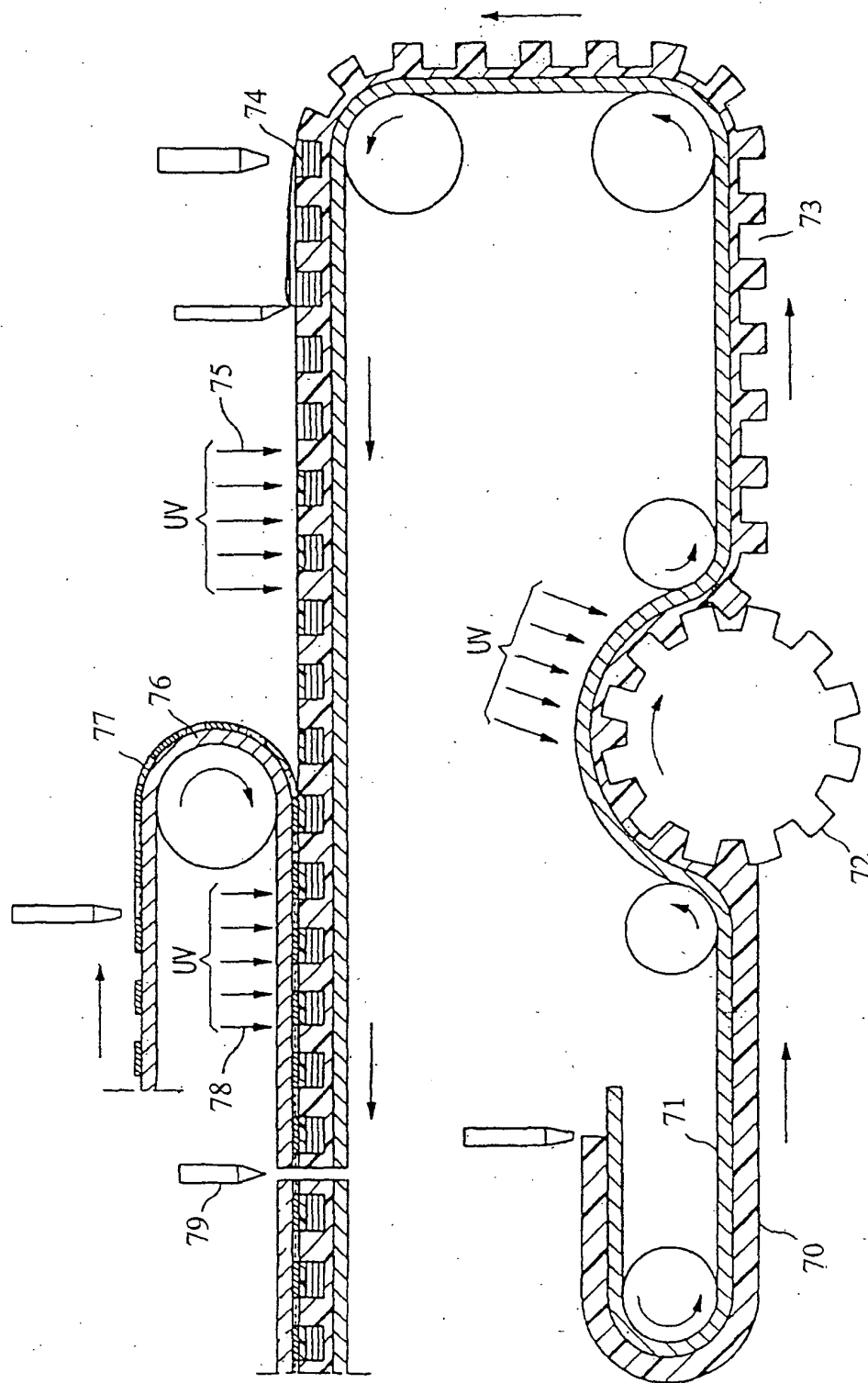


FIG. 7

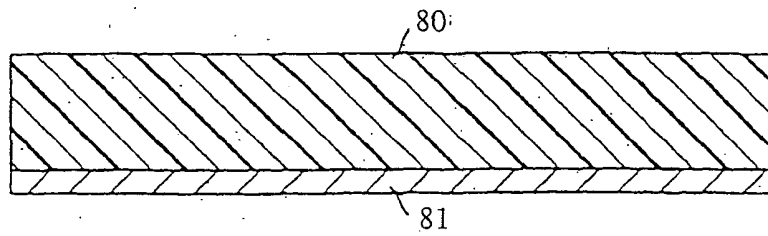


FIG. 8a

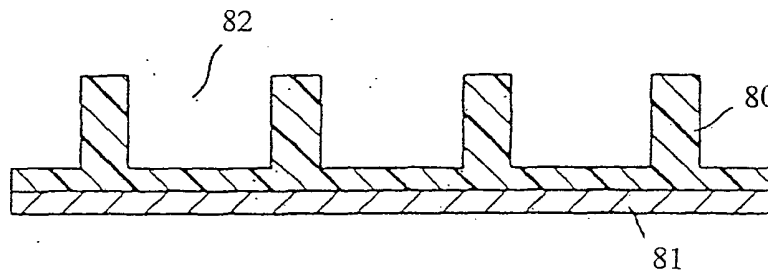


FIG. 8b

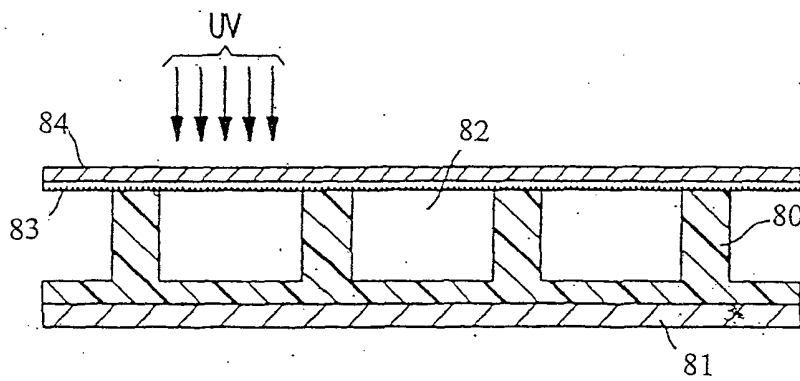


FIG. 8c

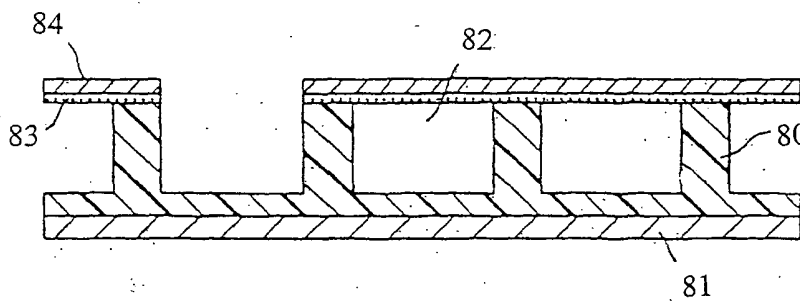


FIG. 8d

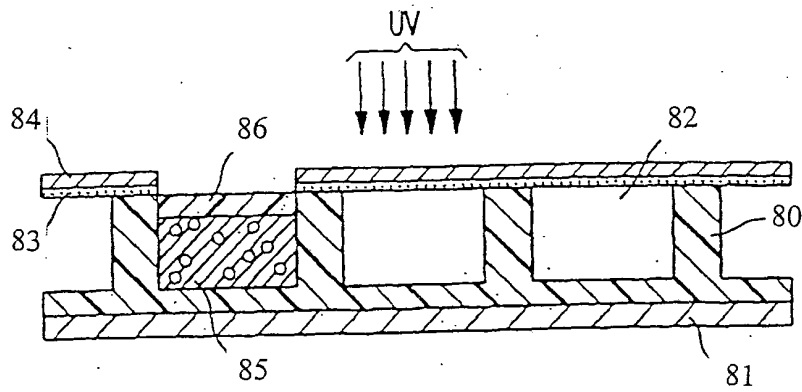


FIG. 8e

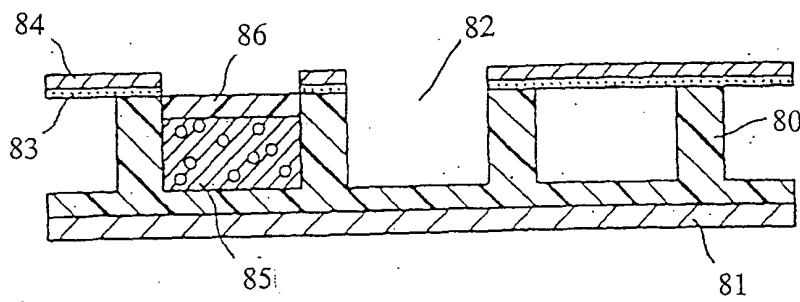


FIG. 8f

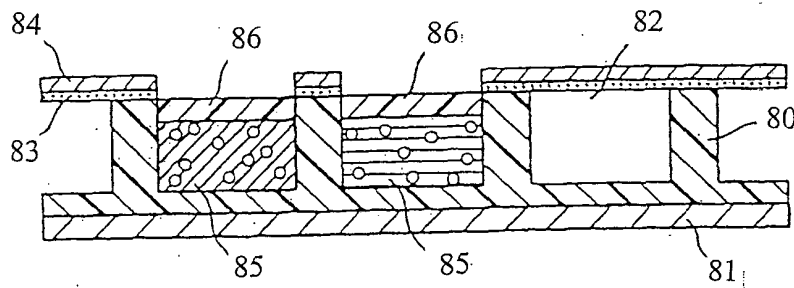


FIG. 8g

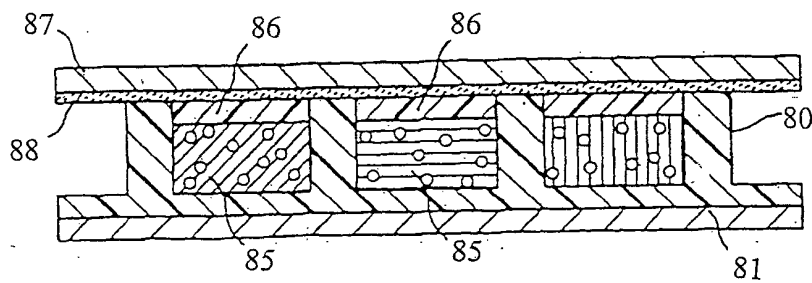


FIG. 8h



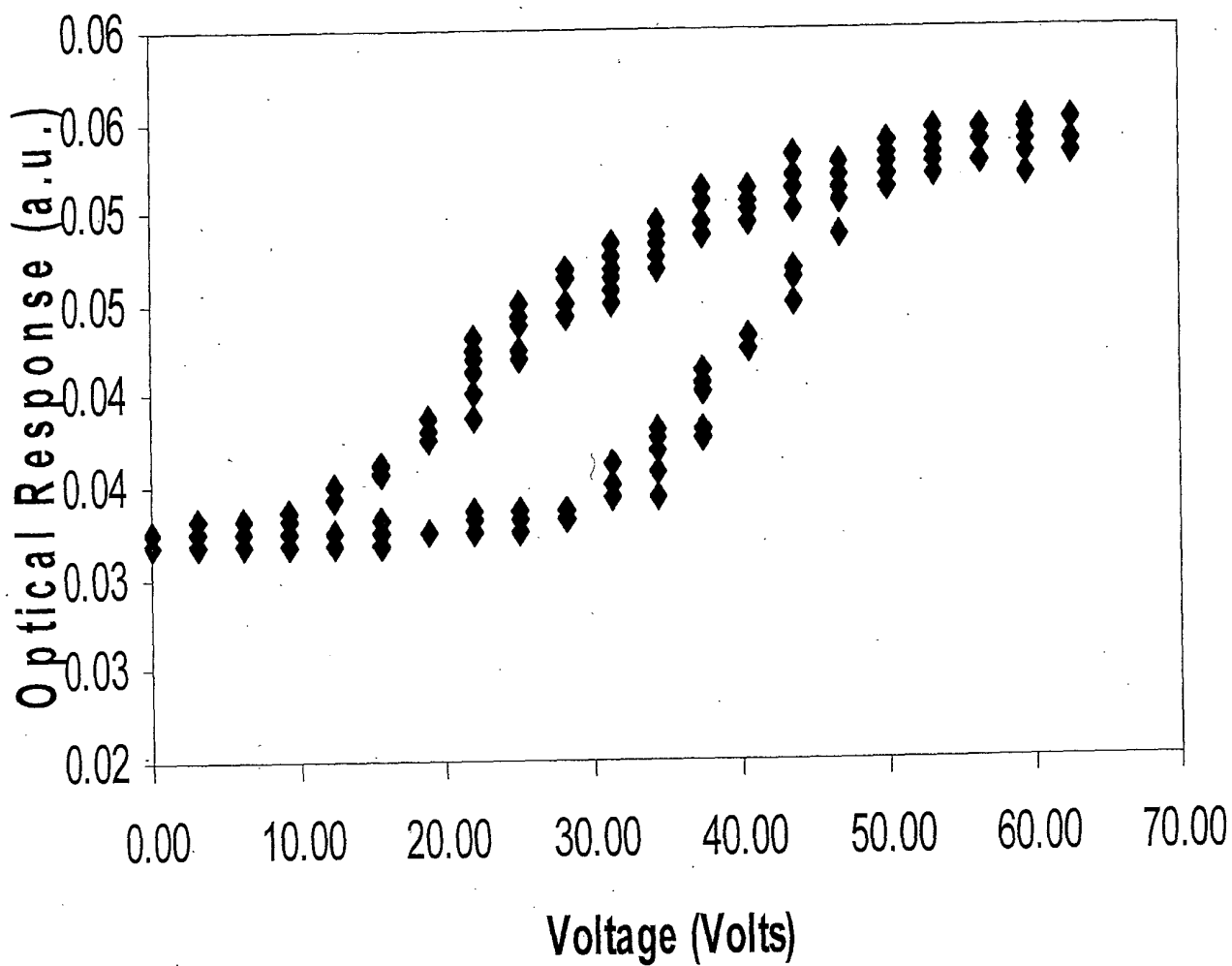


FIG. 9a  
Hysteresis Curve of Conventional PDLC

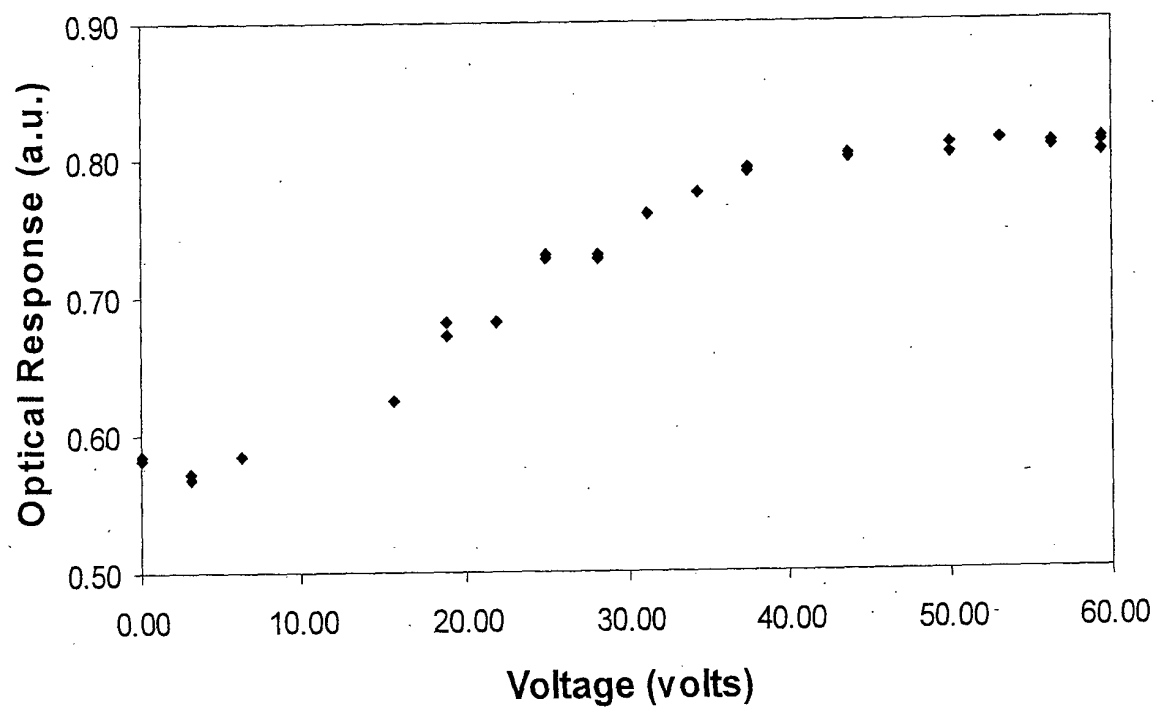


FIG. 9b

Hysteresis Curve of a LCD of the Current Invention